TOTAL KJELDAHL NITROGEN BY **PAGE 1 OF 2**
LACHAT QUIKCHEM METHOD 10-107-06-2-D
"DETERMINATION OF TOTAL KJEDAHL NITROGEN BY FLOW INJECTION ANALYSIS COLORIMETRY"
REVISION DATE MAY 1, 2001

Facility Name:_____VELAP ID_____

Assessor Name:_____Analyst Name:_____Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
Did the digested samples not consume more than 10% of the sulfuric acid during the digestion?	4.1				
Were digested samples free of turbidity?	4.3				
Were all solutions except the standards degassed with helium?	7.1				
Was the Potassium Sulfate (K_2SO_4) and Concentrated Sulfuric Acid (H_2SO_4) Digestion Solution prepared fresh monthly?	7.1				
Was the Buffer solution boiled or 10 minutes as part of its preparation?	7.1				
Was Salicylate Nitroprusside stored in a dark bottle and prepared fresh monthly?	7.1				
Was Hypochlorite Solution prepared fresh daily?	7.1				
Was the Diluent prepared weekly?	7.1				
Were Standards Stocks prepared daily or held for no longer than 28-days only after preserving them with 2 mL/L Sulfuric Acid?	7.2				
Were Working Standards prepared fresh daily?	7.2				
Were all sample bottles thoroughly rinsed with 0.5 M HCl prior to use?	8.1				
Were samples preserved to pH < 2 with sulfuric acid and cooled ≤ 6°C and held for no longer than 28 days?	40CFR136.3 Table II				
Were MDL's determined according to 40 CFR 136, Appendix B?	9.2.1				
Notes/Comments:					

TOTAL KJELDAHL NITROGEN BY **PAGE 2 OF 2**
LACHAT QUIKCHEM METHOD 10-107-06-2-D
"DETERMINATION OF TOTAL KJEDAHL NITROGEN BY FLOW INJECTION ANALYSIS COLORIMETRY"
REVISION DATE MAY 1, 2001

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
To establish the analyst's ability to generate acceptable data, did the mean and standard deviation of 10 replicates of a mid-range standard meet the requirements of Section 17.0 of the reference method?	9.2.2.2				
If samples were acid-preserved, were LCS also preserved in the same manner?	11.1.1				
Did samples have Digestion Solution added to them prior to digestion?	11.1.2				
Were samples first digested at 160°C for 1 hour?	11.1.4				
Were samples next digested at 380°C for 1.5 hours? (The 1.5 hours includes time for temperature to rise from 160°C to 380°C.)	11.1.5				
Were matrix spike duplicates analyzed at a minimum frequency of 10% of samples?	9.3				
Were laboratory reagent blanks subjected to the same procedural steps as samples?	9.4.1				

Notes/Comments: